



# **Functional Independence Science**

**Official Released Items**

## **Grade 8**

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**Fall 2008  
Official Released Items**

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*The Grade 8 Functional Independence Science Assessment* was administered for the first time in Fall 2007. Beginning with this administration, the Office of Educational Assessment and Accountability (OEAA) will annually release a portion of the items that are administered on the assessment. This booklet contains released items from the Fall 2008 administration and is intended to be used by districts to assist in their interpretation of item analysis data. The information contained in this booklet may also be used by schools, teachers, and parents as a resource for understanding the content and format of the assessment items. In addition to MI-Access training materials and Extended Benchmarks (EB), the released items may also have utility in informing decisions related to instruction, curriculum, and assessment. These items are **not** secure and may be copied and distributed as needed.

The table below lists the number of core and released items administered on the Fall 2008 Grade 8 Functional Independence Science Assessment. Core items are those that count toward students' scores. All released items in this booklet were selected from the pool of core items that appeared on the assessment.

**Functional Independence Science Grade 8**

<b>Science Strand</b>	<b>Number of Core Items</b>
Life	14
Physical	14
Earth	8
Constructing	2
Reflecting	2
<b>Total Core Items/Points</b>	<b>40</b>
<b>Released Items</b>	<b>6</b> <b>(Numbers vary by strand and topic.)</b>

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**DIRECTIONS:** Read each question. Choose the **BEST** answer for each question.

Use the picture below to answer question **R1**.

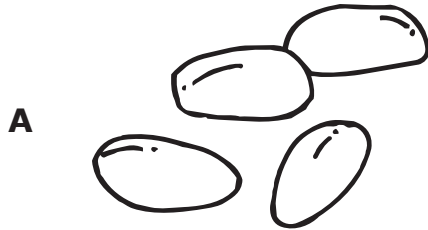


**plant with leaves only**



**plant with buds**

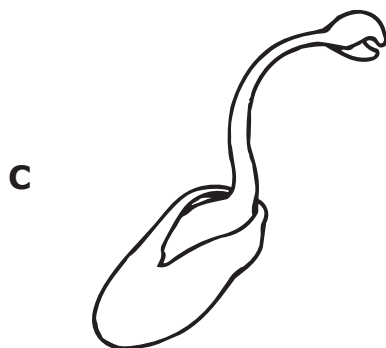
**R1** What on the following page comes **next** in the plant life cycle?



**seeds form**



**flowers open**

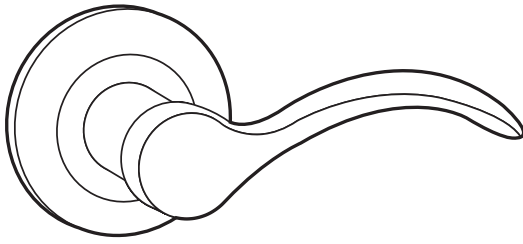


**seeds sprout**

**R2** What is one reason animals can become extinct?

- A** All animals reproduce.
- B** People over-hunt animals.
- C** Baby animals eat one another.

Use the picture below to answer question **R3**.



**R3** What type of simple machine is the handle of this door?

- A** an inclined plane
- B** a pulley
- C** a lever

**R4** Which of these is sound?

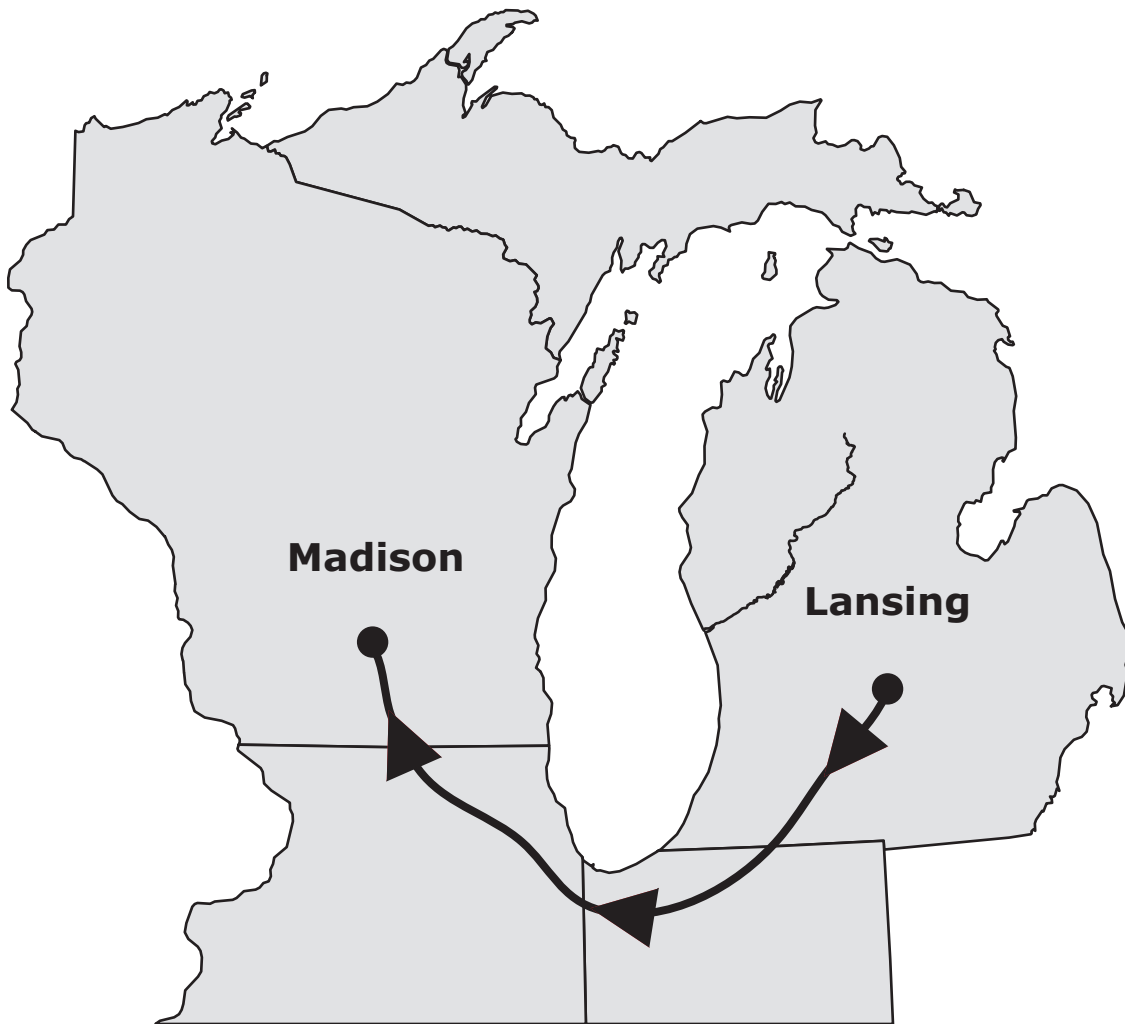
- A** light waves hitting the ear
- B** vibrations hitting the ear
- C** heat hitting the ear



**R5** What action would help preserve natural resources?

- A** buying fresh fruit
- B** driving to the store
- C** reusing a plastic bag

Use the map below to answer question **R6**.



- R6** The map shows the route a person is driving from Lansing, Michigan to Madison, Wisconsin.

What landform must he drive around?

- A** an ocean
- B** a lake
- C** a channel



**Do Not Continue.**



**Do not continue until instructed to do so.**

Below is a list of the Extended Benchmarks (EB) for each released item found in this booklet. The chart contains the EB code, a brief description of what is measured, and the correct answer for each released item.

Full descriptions of the EB contained in the chart below are available for review and download at **[www.mi.gov/mi-access](http://www.mi.gov/mi-access)**.

<b>Science</b>			
<b>Released Item Number</b>	<b>EB Code</b>	<b>STRAND or Abbreviated Descriptor/Scoring Focus</b>	<b>Answer Key</b>
		<b>LIFE</b>	
R1	L.OR.FI.EB.III.2.m.2a	Identify stages of the life cycle of flowering plants.	<b>B</b>
R2	L.EV.FI.EB.III.4.m.1a	Explain how fossils provide evidence about the nature of ancient life.	<b>B</b>
		<b>PHYSICAL</b>	
R3	P.MO.FI.EB.IV.3.m.5a	Identify which simple machine is best used in a given situation.	<b>C</b>
R4	P.WV.FI.EB.IV.4.m.1a	Recognize how sounds travel through different media.	<b>B</b>
		<b>EARTH</b>	
R5	E.GE.FI.EB.V.1.e.6ADDm	Identify reasons why it is important to conserve and/or recycle.	<b>C</b>
R6	E.HY.FI.EB.V.2.m.1a	Use maps of the earth to locate water in its various forms and describe conditions.	<b>B</b>



Michigan Department of Education  
Office of Educational Assessment and Accountability  
608 West Allegan Street  
P.O. Box 30008  
Lansing, MI 48909  
(517) 241-4416  
[www.mi.gov/mi-access](http://www.mi.gov/mi-access)